

Translation

PATENT COOPERATION TRE

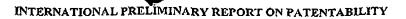


INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

							
Applicant's or agent's file reference POKJ-10360	FOR FURTHER	ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2003/016912		date (day/month/year) 2003 (26.12.2003)	Priority date (day/month/year) 26 December 2002 (26.12.2002)				
	<u></u>		20 December 2002 (20.12.2002)				
International Patent Classification (IF C08B 37/00, G01N 30/48	C) or national classification	and IPC					
Applicant							
	КАЛНАБ	RA, Yasuhiro					
This report is the international Authority under Article 35 at	al preliminary examination rendered transmitted to the applican	eport, established by this according to Article 3	International Preliminary Examining 6.				
2. This REPORT consists of a t	otal of 3 shee	ts, including this covers	hest				
This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, comprising:							
The state of the s							
a (sent to the applicant and to the International Bureau) a total of sheets, as follows:							
and/or she	ne description, claims and/or ets containing rectifications a stive Instructions).	drawings which have be authorized by this Authori	cen amended and are the basis of this report ority (see Rule 70.16 and Section 607 of the				
Sheets which sheet	disclosure in the internation	but which this Authority nal application as filed,	considers contain an amendment that goes as indicated in item 4 of Box No. I and the				
. —		total of (indicate tvi	pe and number of electronic carrier(s))				
	, as indicated in the Supple	amino a seguence listin	g and/or tables related thereto, in computer of Sequence Listing (see Section 802 of the				
4. This report contains indications relating to the following items:							
Box No. I Basis o	Box No. I Basis of the report						
Box No. II Priority	Box No. II Priority						
Box No. III Non-est	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. V Reason	ned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;						
	documents cited	g such statement					
		ets in the international application					
	observations on the internati	•					
	busici various on the internati	onat application					
Date of submission of the demand		Date of completion of	f this report				
11 June 2004 (11	.06.2004)		ctober 2004 (01.10.2004)				
Name and mailing address of the IPE.	Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Tclephone No.					

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International application No.

PCT/JP2003/016912

Box No. I	Basis of the report
1. With regard	rd to the language, this report is based on the international application in the language in which it was filed, unless indicated under this item.
Thi wh	is report is based on translations from the original language into the following language, ich is language of a translation furnished for the purpose of:
	international search (under Rules 12.3 and 23.1(b))
	publication of the international application (under Rule 12.4)
	international preliminary examination (under Rules 55.2 and/or 55.3)
furnished and are no and are no The the page page page page page page page	rd to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): international application as originally filed/furnished description:
pago	
page	received by this Authority on
a sec	quence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3 The	amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/figs
	the sequence listing (specify):
	any table(s) related to sequence listing (specify):
	3(4)
made	report has been established as if (some of) the amendments annexed to this report and listed below had not been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 270.2(c)). the description, pages
* If item 4 ap	plies, some or all of those sheets may be marked "superseded."
	DECT-ALGUE

INTERNATIONAL PREMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP03/16912

citations and explana	tions supporting such state	industrial applicability;		
1. Statement				· · · · ·
Novelty (N)	Claims	1-3, 5-12		YE:
	Claim	4	4	NO
Inventive step (IS)	Claims	1-3, 5-12	3 ² 5.	YES
	Claim	4	•	NO
Industrial applicability (IA)	Claims	1-3, 5-12		YES
	Claim	. 4		NO

2. Citations and explanations (Rule 70.7)

Document 1) Journal of Biological Chemistry (1983), 258(3), 1885-7 Document 2) Journal of Biological Chemistry (1982), 257(15), 8755-60

Based on the description in document 2 cited in the international search report, the invention of claim 4 lacks novelty. Page 8755 of document 2 describes a compound wherein one fucose is linked to the Nacetylglucosamine in the branches of the aforementioned three-branched sugar chain asparagine, and as the applicant has also acknowledged in a written reply, this corresponds to the three-branched sugar chain asparagine of claim 4. In the written reply the applicant asserts that the aforementioned compound described in document 2 is a mixture containing other three-branched asparagines, and therefore the invention of claim 4 is novel and involves an inventive step. However, because the above compound is recognized and described as a single compound in document 2, the original decision that the invention of claim 4 lacks novelty remains unaffected even though the compound is present in a mixture with other compounds.

Documents 1 and 2 neither describe nor suggest the inventions of claims 1-3 and 5-12, and therefore these inventions are novel and involve an inventive step.